### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

### (19) World Intellectual Property Organization

International Bureau

## (43) International Publication Date 22 July 2004 (22.07.2004)



## . I CHARLE HINTER THE BEAUTH AND A STAIL BEAUTH AND A HE HIN BUTTON BOTTON TO A STAIL OF A STAIL OF A STAIL OF A

### **PCT**

# (10) International Publication Number WO 2004/061241 A1

(51) International Patent Classification<sup>7</sup>: 3/12, E02D 29/02, 31/00

E02B 3/04,

(21) International Application Number:

PCT/US2003/041791

(22) International Filing Date:

30 December 2003 (30.12.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/437,663

2 January 2003 (02.01.2003) US

- (71) Applicant (for all designated States except US): NI-COLON CORPORATION [US/US]; 365 South Holland Dr., Pendergrass, GA 30567 (US).
- (71) Applicant and
- (72) Inventor: STEPHENS, Thomas, C. [US/US]; 2517 Woodcrest Ct., Lawrenceville, GA 30043 (US).
- (74) Agents: FIENNING, Catherine, E. et al.; Kilpatrick Stockton LLP, 1100 Peachtree Street, Suite 2800, Atlanta, GA 30309 (US).

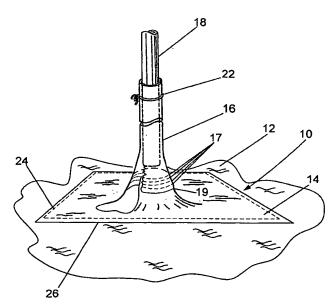
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: INLET PORT FOR A CONTAINER MADE OF GEOTEXTILES



(57) Abstract: A geotextile container (12) having strengthened port sleeve attachments. The integrity of the port sleeve of this invention is strengthened by incorporating an inlet port (10), having a port patch and a port sleeve, into a geotextile container (12). The inlet port is preferably made of a pliable material which renders attachment of the inlet port to the geotextile container easier and results in tighter, stronger seams between the inlet port and the geotextile container. With its stronger material and the resulting tighter seams, the inlet port and port patch are better able to withstand stresses and seams are less likely to rupture, thereby enhancing the integrity of the geotextile container.